

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "Kirby, John" <John_Kirby@ATK.COM>
Subject: [9105] 160 M Olde Tyme Radio
Message-ID: <c=US%a=_%p=ATK%l=ATK/MPLS/000019E7@exchange_mn2.atk.com>

W1FMR, Jim,

RE: Two way QRP QSO NE #01(2W) with NE #196 (5W into G5RV)

That was a blast TNX!

Saw the invite on this reflector (qrp-l) couple (one or two) days ago...

Sri QSB and local noise my end prevented me getting ur GRID SQUARE...

My GS is FM19xb, -QA-Co-, 39.05N es 76.05W

Try ang next week same time es place (1805.5 +/- at abt 2000 EST)??

72,3
John
N3AAZ

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [9073] A Simple Plea for Sanity, Please
Message-ID: <n1358677414.70985@msmailgw1.arlut.utexas.edu>

Some of us have to get the list by Digest form. YOU could help us enjoy the list more, even if we cannot read it "real time".

This sometimes means we have to read behind over periods of time when REAL work takes precedence, and unfortunately we are not speed readers!

Right now, go to your preferences box of your email program, and TURN OFF the AUTOMATIC REPEAT ORIGINAL of Reply messages, PLEASE.

With over 100 messages, today's Digest ran to 120K of memory. When I edit out repeats and incorrect posts, off topic items, etc., you end up with perhaps

20% of the list postings being original QRP-L items!

I cannot see any excuse for someone repeating back an entire message; it does not help but clutters the list, which really is obvious when you get the digest form.

We don't repeat back each over in a QSO, why here where it was all in black and white hard copy to start with? Those that want to save postings will have done so, and it does not help to repeat all of a prior message to the rest. Just think, when we save smaller digests, we can spend our money on new QRP kits, not larger disk drives! :-)

A topic sentence would suffice at the beginning of a reply. Now to current QRP doings:

The recent ice storms closed our workplace, but there was finally home time to complete a NN1G SW-30 board, and to start re-reading "Reflections" by Walt Maxwell. Every time I pick up that book, I relearn or newly learn some gem of transmission line truths.

Someone posted we should discuss why your SWR changes if you shorten your feed line. Maxwell was discussing that around Chaps. 5 and 6, I believe, and points out that if you feed a dipole without a balun, you have the signal that is normally confined within the coax go to the feed point, and then the signal from the inner surface of the shield, can, (without balun), then begin to return on the outer surface of the shield. Now, consider if you have a long feed line, that happens to be a quarter wavelength with velocity factor included, at your frequency. It will have a high impedance on the outer shield to this unwanted return current. Now, shorten the line, and you no longer have the high impedance effect of the quarter wave length. This will allow more outside the shield return current to come down the coax which will upset many SWR meters, and cause an incorrect reading. But, the point is that is a way shortening your line might change your SWR. For a line, SWR should measure the same, whether you measure at the rig end of the line or at the antenna, or at some point in between, for it is a ratio of the two voltages being sensed, the forward and reflected parts.

I certainly hope Walt re-issues his book, for it is well documented with references to examples of truth and hams old wives tales that so confuse the new, (and old) hams. Many of the chapters appeared first as his series of monthly pieces in QST; thus, until new editions are available, a re-reading of QST archives can be useful.

Buckmaster has all the major ham magazines in microfiche form, and an inexpensive reader as well; or you could take a card file box of the entire archive of QST, for example, to your local library, and use their 'fiche reader. (See Buckmaster ads in current ham magazines). It is probably cheaper than quality bookcases would be to hold the entire magazine

collections of many of us! (And a lot safer than trying to reach that top shelf!)

72, Stuart K5KVH
rohre@arlut.utexas.edu

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Jim Hydzik <congress@magpage.com>
Subject: [9141] AE4IC's next Contest
Message-ID: <199701172037.PAA13439@alaska.magpage.com>

Hey Bob,

With the success of the 49'er contest behind you, it's time for

Operation TESTIFY

Thirty Eight Special To Indefinitely Forestall Yardwork.

Just in time to set the rake and hoe down and test out that 100' extension cord 30M loop. You gotta take this one on. It's just like your 49er Test, but with less numbers. You're our guy!

Name Withheld to protect the busy in Delaware :)

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "JOHN F. McCLUN" <JFM001@DENTAL3.AB.UMD.EDU>
Subject: [9104] Another source for concentric pots- Radio Shack
Message-ID: <60FC6873F7@dental3.ab.umd.edu>

Gang -

I found another concentric pot that may be easier for some of you to obtain. Any Radio Shack has what they call a RSU - Radio Shack Unlimited ordering system. Go in and tell the manager that you want to order a replacement part for the 12-2001 Auto AM/FM/ cassette - the volume/tone control. The part number is K-5039, if you need more info you may call (800) 433-2024 and ask for more info on this part. Hope this helps.

72 & 73
John N3REY
Always QRP!

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: JCoote@aol.com
Subject: [9108] Antenna Ware?
Message-ID: <970117090426_1045620003@emout16.mail.aol.com>

I've heard about software for modeling and designing HF center-fed, groundplane, wire and other antennas.

I would like to hear (email, not thread) how to obtain free ware to do the same.

Thanks,

Jay
W6CJ

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: David Adams <adamsclan@netgate.net>
Subject: [9146] Auction Donation advice sought
Message-ID: <32DFF2EB.4C8C@netgate.net>

Yes...this will wind back to radio, but you have to follow along...

Okay, Feb 1 is the annual Silent Auction/Dinner Dance fund raiser for my daughter's preschool. The Auction consists of merchandise donated from area (generally within californiia) businesses and parents (each child's parents usually donate something...we bought a bike to donate this year).

So...there are three people in this organization whom I have been slowly coddling into ham radio (yes here comes the radio part) and it occurred to me that if I snuck a kit into the auction, that might finally snare one of them.

Here's the ground rules:

I'll buy the kit and donate it myself...I'm not trying to solicit anything.

Kit should be somewhere between novice and not too bad with an iron level.

Kit should be stand alone-ish (i.e. I won't snag anyone with a keyer kit

if they don't have a radio).

I have to be able to get my hands on it by the 1st.

My tendency is to think a NorCal 40 would fit the bill (as Bob is here in town), but that may not be an ideal "lure" kit.

Any input/advice gratefully appreciated.

73 de dave, n9uxu

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997

From: NZ8J <timcook@erinet.com>

Subject: [9101] Cleaning House, FS/TRADE

Message-ID: <32DF69E4.678E@erinet.com>

I am cleaning the shack here, and have a couple of items to sell or trade.

Sell:

MFJ 204B Antenna Bridge, It is in their current catalog. Works fine, average condition, no manual. \$80 new, sell for \$35 shipped in 48

MFJ 949D 300 watt tuner with ant switch, 4:1 balun and built-in dummy load, has cross needle wattmeter, no manual, works fine, average condition. Front panel excellent, case has some scratches \$47 shipped in 48

FOR SALE OR PREFER TRADE: My main QRP Radio Icom IC-735 w/250hz cw filter. In excellent condition. Has great QSK!! Currently set for 4 - 90 watts output. Have manual/mic/power cord. \$600 Would like to work out a trade on a **NEW VERSION** Index Labs QRP++, or would consider a Sierra or OHR-400 in trade.

Thanks

Tim

NZ8J

ARCI-QRP//NE-QRP//QRP-L//GQRP//NORCAL//MI-QRP

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997

From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>

Subject: [9063] Correction

KA0GKC caught an error in the schematic on my web page. I was just trying to do too many things at once today. If you've already printed the schematic, I apologize. Please try it again at:

<http://people.delphi.com/CecilMoore>

Many thanks to KA0GKC. 73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Marshall Emm <75230.1405@CompuServe.COM>
Subject: [9092] CQC Home Page-- Did it again.
Message-ID: <970117061410_75230.1405_HHB62-3@CompuServe.COM>

I don't believe this. Domain names, url's, etc, are supposed to be mnemonic. After all they are aliased to a bunch of numbers anyhow. So why do I have so much trouble?

The correct url for CQC's Home Page is
<http://www.mtechnologies.com/mthome/cqc.htm>

My last posting left out mthome, which of course is an alias for "~mgemm"

Are we having fun yet?

73
Marshall
AA0XI

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: bkmak@airmail.net (Bob Kmak)
Subject: [9111] CT freeware
Message-ID: <m0vlFAI-0000XmF@mail.airmail.net>

Charles,

You've probably already gotten an answer, but if not, you can get to the CT freeware stuff through the KA9FOX Web page. its at:

<http://www.qth.com/ka9fox/>

Look under "Contester Resources", or something like that. You can also get to the free version of TRLog from there, which is what I've been using since September. Very nice, and more configurable than CT, although the learning curve will make you regret smoking in your wasted youth :-):-)

73,

Bob
K5W0

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [9132] Digital Readout for 38 Special with 24 hour Clock
Message-ID: <1.5.4.16.19970117113434.55c77a0a@telis.org>

Hey, Mike Gipe just let the cat out of the bag. He is working on a digital readout (LCD) that also has a 24 hour clock built in. No keyer, no power meter, no frills, just a digital readout and clock. The prototype has a current drain of 1.5 mA, so it will be very battery friendly. This will not be a NorCal project, but will be a product of Blue Sky Engineering, (I think that is the name of the company.) Much the same way that the TiCK keyer chip is not a NorCal project, but the designers have worked very closely with Ori, as has Mike.

The readout will have a small footprint, will be a board and parts kit, and the best thing is the projected cost of \$30. Quite a bargain. The prototype has presettable offsets that are user controlled and very easy to use.

You will be able to use this readout with any rig, not just the 38 Special. Do you realize what this means?

We now have a rig on 30 meters with 5 Watts out, 25 kHz of VXO range, RIT, offset, sidetone, built in keyer, and soon, a digital readout. Total cost? Looks like this to me.

38 Special kit	\$25
TiCK chip	\$5
(additional parts for keyer).	\$1
5W Pwr Mod	\$3
RIT Mod	\$1
Connectors & Controls for 38S	\$5

Case	\$5
Blue Sky Counter	\$30
Total	\$75

I remember when a direct conversion kit was over \$100. We are the beneficiaries of a wonderful age of technology. Guys like Ori, Gary & Brad, and Mike are doing tremendous things by working together and letting the rest of reap the harvest of their efforts.

I hope that you guys are starting to get your kits and have a good time building this weekend. 72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
 From: Alan Kaul <kaul@netcom.com>
 Subject: [9088] Enclosure for 39S???
 Message-ID: <Pine.3.89.9701162141.A21305-01000000@netcom17>

Howdy... I am looking for recommendations for an enclosure for the 38 Special. I know some have mentioned using TenTec boxes. But I'm curious as to 1) where one might order one by mail, and 2) if anyone else is recommending other boxes, chassis, etc. (((except---please no recommendations for mint-tea-or-candy tins))).

I'm looking for a container worthy of a ''real radio!''

Best 73/72 de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
 From: Dave Fifield <fifield@lan.nsc.com>
 Subject: [9133] Envirotronics Paddles
 Message-ID: <32DFD180.5005@lan.nsc.com>

Could someone please email me with the address/email/phone number of Mr.Toma (I think that is his name) at Envirotronic. I'd like to order a set paddles, but I lost my scribble pad with his details on it.

Thanks in advance, Dave Fifield, KQ6FR, #92

fifiield@lan.nsc.com

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [9144] FOX STANDINGS
Message-ID: <199701172133.VAA12472@chuck.dallas.sgi.com>

Here are the current standings.

Foxhunt Current Standings January 7, 1997

The Big Game!!!! CA-16 TX-16

Fox Scores

CALL	CONTACTS	STATE	TOTAL POINTS
K2NF	59+47	FL	106
W5FN	50+56	TX	106
NQ7K	37+49	AZ	86
W0CH	49+24	MO	73
W03B	29+36	MD	65
KS4L	38+21	AL	59
N8VAR	23+18	OH	41
W5TFB	77	TX	
KU7Y	57	NV	
N6GA	56	CA	
W1HUE	55	ID	
AE4IC	53	NC	
WB8RUQ	47	MI	
N9DD	40	IN	
AB5OU	37	NM	
N2VPK	36	NY	
N6WG	36	CA	
AA1IK	30	NH	
N2TNN	29	NJ	
KA5DVS	25	NJ	
AE9K	23	WI	
WB5QMP	22	ID	
WA1GUV	21	VT	
KF2PH	12	NY	

W8KC 11 MI

Total Qs = 1,163+

Novice and Tech+ Scores

KB0ROL	12+ 9+11+ 18+ 4+ 6+ 4	CO	64
KB9JLO	12+ 9+19+ 8+ 5	IL	53
WA7SSA	7+ 5+ 3+ 14+13+10	ID	52
WD4MSM	5+ 5+ 9+ 3+ 3+ 5+ 4	IN	34
KB9LGJ	11+ 3+ 5	AZ	19

Total Novice/Tech+ Qs = 213

Note: X.5 means X regular foxes and .5 means one Novice(5 pts) so that score is X+5. Only one Novice per non-Novice stn. So 3.5 means 3 regular and 1 novice for total of 4 contacts, but 8 points total. Only one Novice contact allowed for the five points for the season for stations other than Novice/T+.

Hunters Scores (and it's a close race)

Leader of the pack is: (27.5) NQ7X Floyd in AZ

AA0XI(20.5) W00Q(13) W0CH(6.5) WB0CLD(5) AB0CD(5.5) KI0G(4.5) AA0XZ
KQ0I WA0FGV NI0A(12.5) K0EVZ(5.5) WA0RPI(2) KD0SU(4.5) KB0VCC(3)
AA70A N0TFI KB0PJ N0UR(2) AB0DC K6QD W0HEP(1.5) KB0YMI(0.5)
WA1GUV W0SS KB0YBX(0.5) NG0M(0.5) N0UVR(0.5) K0FRP(1.5)

K1MG(17.5) W1HUE(15.5) AK1P(8) WA1QVM(5.5) N1RXT(3.5) KA1AXY(5.5)
N1QQV(7.5) KC1GS W1UI(0.5) AA1MY(6.5) KC1FB(5.5) K10J(8.5) WA1UPB
W1EAT N1UMA NT1U WA1VPB K1CL AA1PD WY1W AD1E

AA2WJ(13) AA2PF(6) N2GO(4) WZ2T(2) N2VPK(7.5) K2VNM(6) N2YRJ(3) N2TNN(5)
K2NF KG2DP KF2PH(2.5) N2TO W2DP(2) K2VCO(5) W2NRA N2CX W2UX AA2ZW

K3ETS(2.5) N3SLR N3KFL W3PNL(3.5) KA3WMJ(3.5) W03B(6.5) KT3A NR3E(4)
W3WZ(3.5) KV3NX AA3MD NF3I(1) KA3WMJ(2) K3QIO(2) NR3Z W3DW(1.5)
N3GO AA3KR

KE4YH(24.5) AE4IC(12.5) WB4ZKA(4) W4STX(2) KS4L(2) KE4KDT(1.5) AD4ZE(4)
WJ4P(3) K4CGY(2) KK4KF(7.5) N4SO(8) KI4JA NR4N(1.5) N4EUK(0.5)
KS4HQ(0.5) K4PQC(2) KS4V KQ4AL N4IM(3) KC4O(4) WX4P(3) AE4MX W4MO
AB4RR KD4OBQ(2) AE4VQ N4JS(2) K4WZ(2.5) KD4SJM(0.5) K04A KE4WQH

N4BP KU4AF W4HFU

W5FN(24.5) KK5R0(22.5) N5ET(19.5) AB5UA(20.5) W5TFB(19.5) AB5OU(16.5)
K5W0(8) K5UP(13.5) K5ZTY(13.5) KK5MC/5 WA5WHN(2.5) AC5II(9.5)
N5JKY(8) K5F0(7.5) WB5QYT(4) W5VB0(3) KK5GJ(1.5) K5RV(12)
W5HNS(8.5) WA5CVM AC5CI KA5DVS(2) NA5N(4) KA5T(11.5) WD5GKH
K5ON(9.5) KB5YVT N5LU(11) KE5TF(12) N5AL0(2) KE5FT KJ5SP(2)
K5JHP(5) WB5J K5M0 KC5R0(4.5) W5CTZ KJ5VW(5) W5XE(5.5) KK5NA K5JP
K5ID(2.5) NA5K AB5ST K5PSH W5SST WA5YFY K5LE(3) K05W(1)
W5QJM KC5VYE(0.5)

W6BAB(19.5) KK6MC(10.5) N6WG(13.5) KQ6AG(4) KI6DS(3) WA6NAE(10.5)
W6ABX K06KA(11.5) KI6SN(2) KD6ZMJ(3.5) WA6MOK(0.5) K6VNX(14.5)
WA6HHQ(7) AA6R(4.5) WA6OWR W6EMT(5) N6GA AC6KW WA6GER(2.5)
W6EMD(5.5) WB6LMA(0.5) KI6OY(5.5) N6XU(25.5) N6KR(2.5) W6ZH(17)
W6SI WA6EIW W6KAK K6JI(5.5) N6MM(11) W6SU(14)
W6JHB(3.5) WD6FDD(2) W6SIY(0.5) W6ZOH N6VZ(2.5) N6XI KD6YIX

NQ7X(27.5) KK7BD(21.5) KU7Y(14.5) AB7TT(13.5) N7GS(13.5) NQ7K(13.5)
AB7ST(10.5) KI7MN(7) N7KT(10.5) WW7Y(4) N7MFB(2) WB7DU0 W7JDZ(7.5)
AB7HI(2.5) KJ7NS(3) AB70A W7SNV(2) N7CQR AB7MY(2) N7MFB KJ7LB(0.5)
W7LR KJ7UN(1.5) AL7FS(1) KE7IT(2) N7CTJ(3.5) AA7QU(3) W7GVN(3.5)
W7FXH(0.5) W7KXB(3.5) WJ7H AB7TK(8.5) KJ7ZU(0.5) KC7SYL(0.5)
WA7LNW K7TP W7GUN(0.5) KI7NS(1) KG7PV KE7X KA7YOU W7GH W7LY0
W7GVN(2) KC7PG0(0.5)

W8DN(11.5) WA8CDU(9.5) W8KC WD8LDY(2) W8EO N8VAR(4.5) N8CQA AC8W(5)
KF8EE(3) WD8KQY W8LRM WA8CDV K8BVJ(1) K8IDN K8DD KB8GDF(0.5)

KB9IUA(11) NN9K(11) W9DZ(9) N9DD(9.5) WA9PWP(9.5) NY9B(3) AE9K(3)
W9UQB(3) N9RYI WA9YLB(2) WB9LEF N9HH(5.5) N9SSG WB9LKC(2) W9JIF
W9ZSJ WD9CTB

VE3JC(7.5) VE7SL(7.5) VE7CQK(5.5) VE3SP(4) 8P9BM(1) VE5RC

Novice Stations working foxes - these count in separate class of prizes.
Let me know if you are N/T+ and have worked a fox and I put you in the
above grouping by mistake.

WA7SSA(6) KB0ROL(2) N0PMY(2) KB9LGJ(1) KB0SJY(1)

SIG

Chuck Adams K5F0 adams@sgi.com

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997

From: gsurrency@juno.com (Gary L Surrency)
Subject: [9080] FOX, is he out there???
Message-ID: <19970116.194619.7238.2.gsurrency@juno.com>

I'm listening at 7.112 and 7.122 right now, and can't hear anything but crud.

Has anybody heard the Fox tonight? Conditions seem horrible!

My ears are straining! Is this fun or what?

Are you there, Barry?

72,

Gary Surrency AB7MY

S&S TAC-1(40&80m) and ARK30

QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997

From: Roger Hightower <rhight@primenet.com>

Subject: [9131] FS: HW-8 and HWA-7-1 Power Supply

Message-ID: <32DFC1B9.18AB@primenet.com>

I have a VERY clean HW-8 (manual included) and power supply for sale.
No room on the bench here. Asking \$100.00 (includes shipping costs to Continental U.S.)

If interested, pse reply direct.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj

NorCal 40-9er, NC-40A, OHR Explorer 20, 30M, OHR400, HW-8, HW-9 and more to come.

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997

From: Jim Hydzyk <congress@magpage.com>

Subject: [9125] FSFD (50 States) Update for Jan 17

Message-ID: <199701171609.LAA25221@alaska.magpage.com>

Hello ALL, (QRP activity info at <http://www.dancris.com/~ki7mn>)

The 50 States In 50 Days (FSFD) activity started Jan 01 and runs through Feb. 20. Below is a the schedule of States for the next few days. We will attempt to provide digested schedules of states/times/bands/freqs. to help

reduce message traffic to the reflector. Typically, only 1 message per day.
ALL TIMES UTC

Jan. 17	Friday	KENTUCKY	KC40, Roy	1400-1420	FRI-UTC	7.042
				1430-1445		7.118
			E-mail Roy for any spcl.	1500-1520		14.059
			times or freqs.	1700-1720		10.115
				1800-1815		18.078
				1830-1900		10.115
				2100-2120		7.042
				2130-2200		7.118
				0000-0100	SAT-UTC	7.042
				0100-0120	" "	7.118
				0130-0200	" "	3.710
				0215-0400	" "	7.042

Jan. 17	FRIDAY (USA)	LOUISIANA	K5RV, Brian	0100-0230	SAT-UTC	7.035-40
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Jan. 18	Saturday	LOUISIANA #2,	K5RV, Brian	1600-1730	SAT-UTC	14.055-60
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| Look at MI-QRP Contest this weekend; Info-Jan QST |
| Start 0700 UTC 1/18/97 End 2359 1/19 |

Jan. 18	Saturday	MAINE	WA5CVM, Joel	0000-0300	SUN-UTC	7.040
				0300-0400	SUN-UTC	3.560

Jan. 19	Sunday	MAINE,	WA5CVM, Joel	0400-1300	OPEN	See Note
				1300-1400	UTC	7.040
				1700-1900		10.115
				1900-2200		10.060
				2200-2400		7.040

Joel will handle special requests: email jdenison@aisp.net
or (non-collect) 1-207-778-5099
Joel will work until 15 minutes after top of the hour if no reply

Jan. 20	Monday	MARYLAND	NF3I, Scott	TBA		
			N3REY, John	1000-1200	MON-UTC	3.555
				1201-1300		7.042
				1301-1400		10.116
				2000-2200		10.116
				0001-0200	TUE-UTC	7.042
				0201-0300	" "	3.555

Jan. 21 Tuesday	MASSACHUSETTS	WA1QVM	2000-2100	UTC	14.057
		Joel	2100-2200	UTC	10.108
			2200-0100		7.037
			0100-0200	WED-UTC	3.557

KANSAS	KANSAS	WA0EAF, Gary	0100-0300	WED-UTC	7.040
			0330-0500	WED-UTC	10.110
			If 30M dead, then		3.560

KANSAS		KB0PZD, Bruce	2100-2300	UTC	14.060
			2300-0100		7.040

KG0MZ, John TBA

Jan. 22 Wed.	MICHIGAN	WA8CLZ, Byron	2000-2200	UTC	14.060-062
			2200-0000		7.041-043
NOTE: Byron will also do MI on			0000-0500	THUR-UTC	3.697-700
Jan. 25 on 18.085		15-2000z			

W8KC, Paul TBA

WA8CDU, Bill TBA

W8RU, Ron TBA

Jan. 23 Thursday MINNESOTA K0EVZ, Doc

N0UR, Jim

WEST VIRGINIA	K5IID/8	0100-0330	FRI-UTC	7.055
		0345-0500	FRI-UTC	3.535

Jan. 24 Friday	WEST VIRGINIA	K5IID/8	1230-1300	UTC	3.565
	Tom will be active all day,		1330-1400		7.055
	signing K8IID/8/WVA and ck		1500-1530		10.110
	Novice segments of active		1530-1630		14.045
	band at 15 min past the hr.		1700-1730		21.065

Sugg. 7.112 & 3.708 MHz. 1730-1800 28.065
Tom will also be available on the 160M contest Friday night

MS MISSISSIPPI K5XU, Mike 0100-0330 SAT-UTC 7.042

Most every sign-up came with a note saying they would go longer if busy.
Frequencies are +/- QRM & typ. may reach as far as 3-4 KHz from posted freq.

CALLING CQ: A suggestion. If we call CQ WAS or WAS QRP de K6.... etc,
we give those not on QRP-L an indication of what we're doing. FSFD type
calling might be too cryptic for all but ourselves. However 'FS' is fine
when busy. Exchange RST, State/Province/Country, and Name. Power level is
nice to know.

ALASKA & HAWAII: Jim-AL7FS is back from Hawaii and will activate ALASKA as
soon as KL7Y's 40M beam repairs are complete. Watch for Jim's postings.
Thanks to him for the HI effort.
KB0ROL is in HAWAII until Jan. 25 and will post his time/freq info to the
group when ready. Best guess is Thursday 0200-0400 UTC on 20M or 40M. More
info soon.

If you want to sign-up for an upcoming State, e-mail band/freq/time directly to:
congress@magpage.com
Thanks for all the responses/encouragement and suggestions. Lets have a blast!

Jim K3QIO Wilmington, Delaware

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "JOHN F. McCLUN" <JFM001@DENTAL3.AB.UMD.EDU>
Subject: [9103] FSFD - Monday Maryland ready with a fully modified QRP + thanks
Message-ID: <60C42705E5@dental3.ab.umd.edu>

Gang -

I have my fully modified QRP Plus ready for Monday's Maryland
venture into QRP WAS. Thanks to Dr. Larry East's mods in the
January issue of QRP Quarterly. I finished the last one - the concentric
gain control & the meter lighting this week. So on with the festivities!

Since Monday is a holiday for some of us, I will try and accomidate
those who wish a different band or time - NOT during schedule band
times but in addition. If you will email me at <mcclun@clark.net> with
those times and frequencies I will try my best. This should help those
who want to try for all band qrp was.

Have fun!

72 & 73
John N3REY
Always QRP!

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Goemans <jgoemans@facstaff.wisc.edu>
Subject: [9086] FSFD- Wi.
Message-ID: <199701170434.WAA37662@audumla.students.wisc.edu>

Greetings from the frozen north!

Temps during my stint as Wi. rep. for FSFD ranged from -3F to -8F outside! I started a bit early on my schedule but quit at the posted time, as nobody was answering me anymore !

30 mtrs: 14 QSOs, 11 states, 1 DX. Highlight was having 8P9BM/QRP call me, Alan's first FSFD contact ! Contacts from coast to coast. Sorry I couldn't pull out a VA1 at the very end.

40mtrs: 15 QSOs, 12 states. Don't try to compete with a VK0IR pileup ! I had to move around a few times, the QRM was blistering! I did work from coast to coast though.

80 mtrs: 9 QSOs, 7 states, VE3. Contacts from East coast to Montana. Also a special "attaboy" for Bill W7KXB who worked me on all 3 bands!

72 Paul

Paul R Goemans WA9PWP
1508 Sundt Lane
Stoughton, Wi. 53589-1069 608-877-4151
QRP ARCI 7291 NorCal 1226 QRP-L 127 FISTS 2153

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: [9074] Hawaii - Date
Message-ID: <19970116.192744.12359.3.kb0rol@juno.com>

Sorry, in my last post I talked like everyone knew when I was going. I will land in Hawaii at Noon on Friday the 14th leave on Saturday the 25th at about 10:30 pm. I will be on the air sometime between those two dates - I am shooting for Wednesday the 22nd from 4 to 6pm local which should be Thursday the 23rd 0200 to 0400 Zulu.

I will post here as to the actual date and time - If you don't hear from me I will be on then - yes I will still try to post but who knows (my XYL has given her blessings for that date and time in exchange for my gold card).

Did you know that they have a swap fest every wednesday and saturday in Oahu!!!

Aloha

Brad Mugleston - KBØROL
Colorado QRP Club # 170, QRP-L #316, ARRL
QTH - Aurora, CO - DM79oq
KBØROL@JUNO.COM
BMUG@GWL.COM

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: ROYGREGSON@aol.com
Subject: [9095] Holes
Message-ID: <970117021305_1958982986@emout17.mail.aol.com>

Hi Gang....Seems there has been a thread on the group in the past about making holes in your project cabinets. My good friend John Shuster found the answer in a tool from GC Electronics their part number is 12-040 it is a taper reamer for enlarging holes from 1/8" to 13/16", or anywhere in between. This means all you need to do is drill all holes about 1/8" dia, and ream them out to the needed size. I have had a similiar tool for years that would ream holes out to 1/2", but left something to be desired when you needed to mount a S0239 connector. I don't know GC Electronics address, but they have been around for years, someone on the group surely has an address. Maybe they have a web page ? I don't know the price, but in the frustrations saved it's worth it whatever it is !

72's/73's Roy

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: SYDV00A@prodigy.com (FLOYD SMITHBERG)
Subject: [9128] Holes-large in sheet metal
Message-ID: <199701171640.LAA19828@mime4.prodigy.com>

In addition to Roy's post, Enco also carries a 1/8" to 1/2" reamer. For really large 1/4" to 1 3/8" holes I use a plumbers tapered reamer for cleaning out pipe ends...available at plumbing supply houses. I've been

using these two armstrong tools for years in addition to the usual hole cutters, circle cutters and rat-tail files of all sizes. The reamers are meant to be hand tools so do NOT recommend you use them in a drill press.
Floyd NQ7X

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)
Subject: [9140] ICOM SURPLUS MIC./QRP++
Message-ID: <199701172048.PAA54848@nss2.CC.Lehigh.EDU>

Hello Gang,

I learned about the surplus microphones from Bruce Franklin at Index Labs, and I believe the idea has been kicked around here too.

I just had a nice QSO with a VE2, oddly enough he was testing a new mic. too. He has a Heil mic. and was running 50 watts. I was using the QRP++ at 5-6 watts. The Icom HM-70, drives the rig better than the QSK mic. that came with the radio. The audio report was very good. I'm happy with the mic. It has an angle plug on it making it ideal for the rear mic. jack on the QRP++. It has a much longer cord too. The voice peaks just as well at 8 to 10 inches from my mouth as right in front of my lips. It worked right out of the box, with no wiring changes.

It sure is nice to have a spare mic. too.

BTW the mic. cost was \$28.00 and Icom says they have 100 left. And when they are gone, then they are all gone.

The web site has all the info you need for ordering. Just look in QST for an Icom ad., the site will be listed there.

73 de AA1IK
Ernie

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: wb8ygg@juno.com (Bradley S. Mitchell)
Subject: [9147] Idea for a 38S mod WWV
Message-ID: <19970117.142333.8719.1.WB8YGG@juno.com>

All this talk of mods, utc etc. made me think for a sec.
Hey 10.11X is near WWV, hmmm. Could we just change the xtal
to 22MHz and get 10MHz to get WWV, yep, but then hmm 22MHz
is not that readily available. How about going the other way..
12-2=10, and using a 2Mhz xtal for the osc, and beating 10 Up to
12MHz,, I bet this would work fine, I don't know the front
end bandpass , but 10 probably gets through. I see that 2MHz xtals
are in Mouser for cheap. I haven't even read the IF bandpass to see if
Audio would make it ..

Well, just a thought.

73 Brad WB8YGG

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Jim Hydzik <congress@magpage.com>
Subject: [9124] January NJ-QRP Meeting Jan. 25
Message-ID: <199701171637.LAA27244@alaska.magpage.com>

The next NJ-QRP Meeting is set for Saturday, January 25

Location will be near Cherry Hill, NJ with directions to follow.

So Far.....KA5DVS	James
K3QIO	Jim
N2CX	Joe
WA2UUN	Clark
W2DP	Bill Host for this month, Delran, NJ
WB2RAR	Rich
N2APB	George
N2ELW	Larry
AA2BN	John
WA2ECP	Vince
W2GUM	Tony
K3HW	Howard
N2CQ	Ken
K2HPV	Herb
N2SMH	Dave 3 hour ride maybe, maybe not.
N2TNN	Dean
KC2AHB	Paul
KA2GSL	Pat
N2EAA	Bob

Bill Creekmore will host this month's meeting and will post directions to
the NJ-QRP reflector. Bill is located near Cherry Hill.

WHO ELSE WILL BE THERE?

Jim K3QIO Delaware

P.S. IF YOU HAVE ANY DRAKE EQUIPMENT FOR SALE/TRADE, Please let me know.
Meetings are a good place to part with it :)

Last Post to QRP-L

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Bill Boose N3WST <wboose@postoffice.ptd.net>
Subject: [9122] Longer subject headings
Message-ID: <1.5.4.16.19970117113504.2f9f01c6@postoffice.ptd.net>

I agree with Wayne about longer subjects. Not all subjects interest me and
I can barely keep up reading all the messages.
Bill, N3WST

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: AE0Q / V31RY <v31ry@ix.netcom.com>
Subject: [9064] Mich QRP logging w/LOGic-4
Message-ID: <2.2.16.19970117002612.46efadaa@popd.ix.netcom.com>

For any LOGic-4 logging software users, I've made a contest setup for the
Mich QRP Club contest.. It's available at the LOGic ftp site in the file
named contests.zip;

<ftp.hosenose.com/users/pda/>

I fixed a couple of things last fall, the 'good' file date should be
6-Oct-96..

CU in the contest! -- Glenn

Duct Tape is like the Force: It has a light side, and a
dark side, and it holds the Universe together.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Kevin Potter <k5vp@earthlink.net>
Subject: [9065] Middle Aged QRP Newbie Question
Message-ID: <32DE5934.7FB5@earthlink.net>

Could someone please direct me to some webpages where QRP rigs are sold?

I'm looking for xmitter/rcvr setups or xcvr units. Kits ok. I'd like to try this QRP mode.

Also, is most qrp operating on all bands or preferred bands? 40m over 20m or a warc band?

TIA,

KP

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: km1h@juno.com
Subject: [9126] Misplaced Orders, etc.
Message-ID: <19970117.121641.7095.2.km1h@juno.com>

Color me "DUMMY" Ed. I just found yours and 8 other orders buried under magazines on a lower shelf of one of the family room end tables. Things got kinda hectic here over the holidays; we had up to 30 people here at times!.

They will all go Priority Mail today and I apologize to all that were missed. That will make over 60 orders for caps, meters and xtal filters to go out this week!

73.....Carl KM1H

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Barry Keating <Barry.P.Keating.1@nd.edu>
Subject: [9110] N/T FOX Report for Thursday
Message-ID: <v03007800af05371821ee@[129.74.87.62]>

*** N/T Fox Report for Thursday, January 16th ***

TIME STNNAME ST RST NR

0111 KB8GDF Mike WV 559 50W
0134 KC5VYE Rich AZ 559 55W
0255 KC7PGO Bob AZ 599 ?
0259 N9DD Tom IN 599 32

Everything in town was closed down last night because of the cold and snowy weather; schools and many businesses are closed again today. I guess that most of you were just out shoveling your driveways last night (or enjoying a much warmer climate than South Bend).

Most of the contacts were non-QRP-L members who just happened by; they were very polite when I explained that we were "foxing" and supplied the standard information.

I suspect those Arizona Scorpions must have been busy preparing for the FYBO or they'd have heard me.

Barry Keating
WD4MSM
South Bend, Indiana (90 miles east of Chicago)
MFJ 9040 running 5 watts
Radio Shack DSP
G5RV antenna (half-size, 52') up 30 feet

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [9127] NC38S: Mods to the 5 watt mod, long
Message-ID: <199701171718.LAA18191@multi13.netcomi.com>

NorCal 38 Special People:

Well, he said it was intended for experimentation! Ori, that is. Right on page 5 of the manual. I couldn't help myself. While the soldering iron was hot, I figured it wouldn't hurt to try one little thing.... It was the badger made me do it... the badger voices...Nils! Take them bacckkkkkk!

When I started to assemble the 38 Special kit, I decided that the 5 watt mod was so simple that I would just go ahead and put that in at the start.

After assembling everything, I put the board on the operating desk and clip-leaded everything together. After playing with the receiver for a few minutes, I noticed that the smoke was leaking out of the IRF510.

Oh ohh. What did I do wrong?

I clipped the FET out and checked it. It was shorted, but why was it shorted? I started checking my wiring and solder slinging. I double-checked with the schematic, and a light clicked on in my head (QRP light, of course, most normal people wouldn't have seen it in the noise). The MOSFET had a fixed voltage bias derived from the 12 volt power supply. I was running the rig from a 13.8 volt 20 amp power supply. Hmmm. After looking at the schematic some more, the noise in my head grew louder (It must have been the badgers) and I started thinking about modifications.

First, however, I did some experimenting with varying the bias using the circuit as shown in the manual. It behaves just as I expected it would. The bias circuit is set up to operate the MOSFET right on the knee of the gate-drain control curve. As expected, the exact operating point with a fixed DC bias will vary depending on the device temperature and manufacturing variations. By adjusting the bias divider resistors, I set up the amp for about 20 mA quiescent current with a supply of 12 volts. This worked very nicely, and put out about 4 watts of nice clean power (clean on a scope. I don't have a spectrum analyzer). After warming up the FET keydown until it was comfortably hot, the idle quiescent current was up to about 60 mA, still acceptable, but indicative of the temperature sensitivity of the knee. After cooling down, the current dropped back to 20 mA. The next experiment was very important. I increased the power supply to 13.8 v and kept the same bias resistors. The quiescent current jumped to 300 mA! This is because the bias voltage is set proportional to the power supply voltage, and the knee of the gate is very abrupt at this point. This, of course, is why my first FET self-destructed. It was dissipating over four watts without heat sink during receive.

The simple bias circuit used is thus very sensitive to power supply variations. The first improvement would be to move the bias divider over to the regulated 8 volt line, and adjust the divider values so that the quiescent current is between 10 and 50 mA.

But the badgers kept badgering. I thought, why not just DC couple the gate, since we have an 8 volt swing from the 74HC240 driver. The circuit is just a little simpler. The biggest advantage is that the idle current during receive would be zero, saving battery power, and reducing noise in the receiver.

The mod is:

1. Remove R101

lamb. Lets see I'll need a 40m and 80m rig, some coax, hunk a wire, tuner, keyer, headphones,..... guess better pack some clothes too. Maybe a toothbrush (ahh the luxuries), and a hat. OK lets go..... wait food, might need that! Ahh forget it this sound like work. FYBO would be more fun!!! Whats the multiplier for -16F????? How about wind chill???? Lets see..... large fan..... (more contemplation.....)

Jay

George Jay Doster	doster@umr.edu	N0PMY
QRP-L #739 WAS: w/c 4/0	EMPS w/c 2/0	
Doolittle, MO	Phelps County	37 56' 25" N
	Grid EM47bw	91 52' 51" W

Disclaimer: All spelling mistakes are my own and not Webster's.

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [9130] NW8020... pretty close
Message-ID: <01IEBH3XE97C8WYHR7@tntech.edu>

Howdi,

I was out ill this am.. so had time to work on my Dan's NW8020. finished tuning and getting the case done. Only one small problem left. When the AF filter is in line, the sideton is much louder than when it isn't. I think the speaker I am using has wayyy too big of a magnet..and is really too loud even with the volume all the way down.

Well, as far as I can tell, the board I got from Dan's for the AF filter was a newer version.. no mods needed except using the different value resistors provided. It seems to work good enough.

The kit:

after taking much abuse :-) for having purchased this version, here are my comments.

1) I really enjoyed the kit the instructions were clear and I like the build and test method.

2) for the most part the parts.. especially the board, were of good quality. I was only missing about 5 parts (all 2 volt. regs and some minor parts), had all but one diode (50c radio shack) in my parts bins. One page missing from directions, didn't really

effect the building, only had to stuff a clearly defined section of the board.

3) one problem.. TX section where power variable resistor had an extra connection on the board to ground... really lowered the power :-)

4) really like the tx/rec switching, the rig sounds good, made two contacts this am, both good reports, output looks very clean on the scope, the VFO seems stable so far, ran it off a 12 volt gel cell this am. got almost 5 watts out with the power control bairly turned.. so would guess that little old transistor isn't being overworked :-)

5) the rit and audio filter so far .. so good

6) receiver seems to be working, just fine.

this kit was a real bargain.. very satisfied.. think roy did a good job, and Dan didn't mess it up at all.

73

Jeff, AC4HF

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997

From: Dave.Ackrill@westwood45.powergen.co.uk

Subject: [9100] Propagation Information

Message-ID: <970117114826Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/ADMD=CWMAIL/C=GB@MHS>

Since there is a propagation thread running, I thought others might be interested in a new web site planned to be "launched" next week.

The RSGB Propagation Studies Committee (PSC) has developed a page through the hard work of Martin, G3USF, the Chairman of the PSC and IARU Region 1 Beacon co-ordinator. Final proof reads are in progress and tests of the links already included are also being carried out.

The first page will not have some of the fancy graphics or backgrounds that the main RSGB page has, for those who have not seen it try looking at <http://www.rsgb.org> which is the URL for the RSGB pages, but it was decided to get the content right before getting fancy edges :-)

I will let the list know when it is up and running, but better not let

the "hoards" loose before Martin says OK. I'm sure that there will be some things to sort out even after the Beta testing, in which case let either Martin or myself know. I'm not involved in putting the thing together, but I can get hold of Martin to let him know of anything which needs attention.

With regard to the sunspots/solar activity (some academics are now suggesting that sunspot numbers are too crude a measure of how active the sun is) the daily reports from the U.S. Dept. of Commerce, NOAA, Space Environment Center and the U.S. Air Force, which I get each day, have been "solar activity is very low" and the predictions are "solar activity is expected to be very low" almost continuously for the past days or even weeks. Neil, G0CAS, has been sending me the monthly figures and they have shown very little activity as well. In fact, regions that would normally be ignored when the sun is active have been making the news as there is nothing much else to report!

All is not doom and gloom though, for those like me who like VHF and UHF that is, the Sporadic-E seasons have been great and 10M DOES wake up during the summer (so don't throw out those 10M rigs, or if you must then ship them to me HI! - As long as the UK authorities don't find out - 10M only rigs are banned over here!). Also, I'm told that 160M is better when the sun is not so active.

Anyway, I'll post the URL as soon as the announcement is made about the PSC page on the web.

Cheers de Dave (G0DJA)
RSGB PSC committee member.

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Dave.Ackrill@westwood45.powergen.co.uk
Subject: [9099] QRP Beacon tests
Message-ID: <970117114828Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/ADMD=CWMAIL/C=GB@MHS>

Thanks to everybody who sent reports on my beacon transmissions on 80 and 30M. I think that I've proved that the uBeacon works OK (over 50 hours use and no sign of glitches or the battery going flat!) and had some feedback on the keying. I think that I will add a resistor and a couple of capacitors on the output to the rig to 'soften' it a bit for the guy up the road!

This weekend I have to do some revision for an exam next week (!) and might 'unwind' by trying to get the 73 kHz TX in a box, so wont be

running the beacon this weekend.

Next project, after the exams, is to finish the Oner and the 30M CW rig (not an NC38S, but a kit that used to be on sale over here YEARS ago, that I have not finished yet!). I'm hoping that with over 500 NC38S out there that activity on 30M QRP CW will go up.....

See you on 10.106 or 10.116 or even 10.136 (that's in the small area that the UK novices can use, so give a call out up the band if you can.

Cheer de Dave (G0DJA)

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: jdenison@aisp.net (JOEL DENISON)
Subject: [9082] QRP FIELD TRIP TO NC
Message-ID: <19970117030552334.AAA153@slip31.ts-f-merrill.caps.maine.edu>

THIS is for those who asked for a report on the Christmas, new years qrp trip to Maryland and the outer banks nc.

We left Maine on December 20th, a Friday. It was sneauxing the length of maine and stopped right after we crossed the state line!

My rig is the qrp+ 4W and a 12v 2ah radio shack battery and an mfj tuner.. In Delaware I tried a 20 meter dipole inside and outside the house and only made 4 or 5 contacts. I even tried loading the guttter spout with no success.

A couple of days after Christmas we went to the outer banks and the beach house had a post on the middle deck just right for holding a dipole. I tried the 20 meter dipole with mixed results and then installed a 40mtr inverted vee in its place.

Success: worked better than at my home qth. I actually got back into maine and into the Pine Tree Net (cw) using the tuner and 40mtr dipole. I did not get to try my vertical on the beach.

That will come next year.

73's Joel

God Bless
Joel

WA5CVM

Joel Denison

81 High street

Farmington, Maine 04938

jdenison@aisp.net

40 mtr dipole up 40ft

QRP ARCI 4066 NEW ENGLAND QRP 467 QRP-L 765

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Brian Short <ke7gh@primenet.com>
Subject: [9076] QRP Freqs on 30m?
Message-ID: <01BC041B.95315E80@ip198.phx.primenet.com>

I am NOT much of a QRPer at this point, but I'm
interested in working some of you folks on 30m.
Where do you all hang out?

I am especially interested in working someone
who is using a 38 Special.

73, Brian ke7gh@primenet.com

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Dan Keen <70731.722@CompuServe.COM>
Subject: [9089] QRP LIST IDEA
Message-ID: <970117054841_70731.722_EHM38-1@CompuServe.COM>

> To make this technique even more useful, I'd like to propose that we all
> use *longer* subject lines on our postings. Better yet: a keyword followed
> by additional explanatory text. This convention was already proposed (and
> to some degree adopted) for homebrew-relevant postings, e.g. "HB: ..."
> Example:
>
> CONTESTS: QRP-to-the-field rules clarification, homebrew vs. kit
>
> 73,
> Wayne Burdick
> N6KR

Sounds like a good idea.

However some older technology Email services will not comfortably admit title
character strings longer than a certain value. CompuServe, for instance has
two mail readers which allow a maximum of either 30 characters or 24. Indeed
one of the many CompuServe offline readers called TAPCIS freezes when going
online to post a reply online to an Email subject over 30 characters long,
forcing a system boot.

Dan Keen K6DZ

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: svecbrdk@well.com (L.Svec,W.Burdick)
Subject: [9085] QRP LIST IDEA: Longer, more informative subject lines (beats "Hey!" and other gems)
Message-ID: <199701170429.UAA11051@mh1.well.com>

Hi all,

Some of us read QRP-L messages by accessing the web archives, rather than by getting the full download every day. In this case, QRP-L postings appear simply as hyperlinks, allowing you to click to read selected articles. This is more convenient for those of us who don't want to read all of the flames and non-QRP threads.

To make this technique even more useful, I'd like to propose that we all use **longer** subject lines on our postings. Better yet: a keyword followed by additional explanatory text. This convention was already proposed (and to some degree adopted) for homebrew-relevant postings, e.g. "HB: ..."
Example:

CONTESTS: QRP-to-the-field rules clarification, homebrew vs. kit

This gets right to the heart of the matter, and those who aren't interested in contests at all can skip 90% of the subject line, not to mention the rest of the posting. You'll notice that I used this format for the subject line of this posting, which I'm sure someone appreciated :)

A posting whose subject is simply "Success!" or "Darn!" or "Wow!", or worse yet some obscure three-letter acronym or even a single digit **may** be of interest, or maybe not. I have to open stuff like that just to satisfy my curiosity, so please, don't do it unless you're packing a nice surprise!

I'm sure I'll get flamed by someone who thinks EVERYONE should read EVERY posting in order to maintain the list's cultural continuity. Reality check: A lot of QRP-L readers are sharing their computers with spouse, kids, and long work days, especially out here in the No-Life wastelands of Silicon Valley!

Thanks for listening.

73,
Wayne Burdick
N6KR

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: k2sse@juno.com (AL SIRISKI)
Subject: [9151] qrp schematic
Message-ID: <19970117.180137.4815.0.k2sse@juno.com>

hi

does anyone have a manual for a kantronics kt 140 40 mtr qrp rig.
i will buy an original or copy reach me at k2sse@juno.com.

thanks

al k2 sse
star ship enterprise

qcwa qrp/m 30/40/20mtrs orlando,fl

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Byron8LCZ@aol.com
Subject: [9137] QRP-L FSFD Michigan
Message-ID: <970117145429_1657899314@emout07.mail.aol.com>

Hi Gang,

While working the FSFD event, i've found a few guidelines that seem to apply.

1. Dont stay on the same freq too long. You may be QRM'ed by an adjacent state and cant hear it. if you arent making any Qso's for a few minutes, try moving up or down 1 khz.
2. Stay on the air Longer than 20 or 30 minutes, the bands are continually changing, and you'll reach new areas if you're on longer.
3. vary your cw speed from 12 to 18 wpm, many of us are Advanced and Generals. You Will work more stations.
4. use omni-directional antennas if you have them, more states will hear you, switch to a beam only if its necessary to make the qso. If you have multiple antennas, use them all.
5. When others have great success at certain times, try to use the same times when its your turn to activate your state.
6. select freq's away from the standard popular freqs. like 042 or 062 to avoid being buried in QRM.
7. Activate as many bands as you can, you'll never know what bands will have the propagation, when you volunteer them a week or two in advance. If you select only one band its covered in QRM, then we're all out of luck.

8. If theres a lot of QSB, slow down, it will be easier to copy you. I've worked many sending under 15 wpm through heavy QSB and QRM/QRN.
9. I needed Indiana but the only guy in Ind that operated in FSFD was too close to me to work. We need multiple ops from every state to make this a successful FSFD. If we would of had a QRP'er in the southern end of Ind, i might have worked him. Propagation has been up and down, so its even more important to get multiple ops on the air from each state and from each end of the state. I wonder if we have anyone from the Upper Peninsula of Mich that plans to operate ?

My 2-way QRP contacts have increased dramatically the last 2.5 weeks. thanks to all for making this a fun event.

Just worked Hawaii today with 5w and a vertical. KH6XT, he was running 100w and a 3 el yagi at 55 ft. The Heard Island DX-pedition is bringing lots of guys back onto the air, from all over. This is a great time to be active.

72, Byron WA8LCZ

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Tom_Jennings <jennings@eng16.rochny.uspra.abb.com>
Subject: [9106] Question for IC-706 Owners
Message-ID: <jennings-9700171354.AA00015696@eng16>

Hi,
I lost the mobile brack screws which go in the side of the I-706 and does anybody know what size screws fit?
Thanks for the info.

73,

Tom, kv2x

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: John Dorson <jdorson@bbs.mpcs.com>
Subject: [9136] slv questions
Message-ID: <199701171949.0AA10289@bbs.mpcs.com>

hi folks. first i want to thank all of you that sent me replys to my question regarding an ant. for portable use. a number of you strongly suggested the slv.

my questions are:

1) is anyone using it on a consisting basis.

2) i have read a number of postings that indicate that the center freq. is around 5.?? mc. as designed and built. if this is so, has anyone modified the bottom coil to bring it to 7.?? mc. and

3) has anyone used it on say 20 meters without modification.

i think from what i have tried and what has been said so far regarding a portable ant. it sounds like the slv might be the way to go...

Thank You

John Dorson Real Estate Consultant in Melbourne Beach, Brevard County Florida
E-Mail To: jdorson@bbs.mpcs.com

```
-----  
| Trying for WAS -      AL,AK,AZ,AR,CA,CO,CT,FL,GA,IL,IA,KS,KY,LA,ME,MD,MA|  
| and worked these:    MI,MN,MT,NH,NJ,NY,NC,ND,OH,OK,OR,PA,RI,TX,VT,VA,WA|  
|                      WI                                           |  
|-----|
```

K2JHU only QRP... CQC #351, GQRP # 9092, QRP-L #672

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Bill Howell <bhowell@mail.utexas.edu>
Subject: [9143] Solder-type BNC available
Message-ID: <199701172123.PAA22802@mail.utexas.edu>

I have found a source for a solder-type BNC connector. I have not ordered any of these,
so I haven't seen them in the flesh.

If you have a Web browser, you can look at the connector at:
http://marshall.wincam.com/cable/general/me_p03.html

The home page for this company is at: <http://marshall.wincam.com/>

Part # is C-600 and the list price is \$4.33
A "boot" is available for the exit hole if you have very small cable.
I believe the p/n for the boot is PJ-051N-XS and the list price is about \$0.30.

The company has a \$50 minimum order, so it's best to get the products through a distributor (cheaper too). Distributor info is available at the company # (310) 390-6608. I have bought another of the company's products (male RCA plugs), through a commercial-audio store here in Austin.

The RCA plug p/n is 7551, and I paid \$3.11 each, locally. This is really a

nice RCA plug.

Am I the only one who gets excited about nice connectors?

72,

Bill Howell
University of Texas at Austin
Performing Arts Center
Electronic Maintenance
voice 512.471.1388
bhowell@mail.utexas.edu
N5ALO QRP-L #415

everything is sacred
nothing is serious

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: jayboy@psnw.com (Jay & Jackie)
Subject: [9112] Thanks for LDG Tuner Hint
Message-ID: <199701171423.GAA21275@sierra.psnw.com>

Wow, between the posting replys and the personel replys I'm probably the best informed "coil installer" on the List. I'm not sorry I asked.....Thanks all.

Jay W6JDB

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Charles Cashion <ccashion@spdmail.spd.dsccc.com>
Subject: [9113] THREAD NOT EMAIL
Message-ID: <199701171422.IAA28894@vob005.spd.dsccc.com>

James D Coote, W6CJ wrote (jc>)

jc>

jc> I would like to hear (email, not thread) how to obtain free ware

jc>

So you think nobody else would be interested?

Charles Cashion, W5ISZ

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)
Subject: [9090] Tins as an goal, rather than as a means, and digital 38S
Message-ID: <199701170604.WAA06577@netcom13.netcom.com>

I started picking up the Celestial Seasonings tins to put radios and accessories in (and I like and drink the teas, anyway), but it's gotten a little excessive.

I have "Iced Teas", "Zinger Teas", "Sleepytime Herb Tea", "Spice Teas", "Comforting Teas", "Fruit and Berry Teas" and "Mint Teas". I am, apparently, missing one kind of box, that I'd like to have, and am hoping someone else has it to trade.

I have extras of "Zinger Teas" and "Fruit and Berry Teas" in exchange, at my expense.

So, is anyone working on making the 38S into a RTTY/AMTOR/PACTOR rig yet? The 12mHz crystal should lend itself to FSKing, I would think. It looks like a very good Hamcom interface could probably go into one of the aforementioned tins very nicely. By very good, I mean one with good mark and space filters, not just the very simple one in the documentation. Or, when the AN-93 becomes available from TAPR, that would be a very nice interface on a 3 1/2"x 4" board that might even fit into the same small box with a 38S.

73, doug

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [9119] Tonight -- N/T FOX -- Snow Covered
Message-ID: <970117154839_70511.3041_IHD39-13@CompuServe.COM>

Barry:

I won't be hunting you tonight--in Houston on a business trip. But GL and many thanks for serving as our FOX.

72/73,

--Doc/K0EVZ QRP-L #861

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)
Subject: [9148] Was re: Radioactive Paint, now: smoke detectors and fire
extinguishers
Message-ID: <199701172230.0AA19003@netcom16.netcom.com>

I'd add to Ed's places for fire extinguishers, any area that's used
for a workshop, especially with heat producing devices, like
soldering irons, heat guns, hot glue guns or glass blowing torches.

BTW, my TiCK (tm) arrived today. Now, if I can keep from losing it
before I get the bits to put the 38S together....
It's hard to keep up, when things like the counter/clock are slipped
out.
73, doug

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "Floyd Soo, W8RO" <hires@rust.net>
Subject: [9120] [Fwd: Holes]
Message-ID: <32DFCD18.FC4@rust.net>

This is a multi-part message in MIME format.

-----77BD228274AE
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You can find something similar at Builder's Square. It's called the
UNIBIT. It is also a tapered type, but it is stepped. Each step is
clearly marked as to what size hole it will drill! These work great for
front or rear panels, etc.

--

Floyd Soo, W8RO
President, HI-RES Communications, Inc.
Net Manager and Board Member, Collins Collectors Association
QRP-L #392
hires@rust.net
<http://www.rust.net/~hires>

-----77BD228274AE

Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Received: from fidoui.CC.Lehigh.EDU (fidoui.CC.Lehigh.EDU [128.180.1.4])
by Fe3.rust.net (8.8.4/8.8.0) with ESMTP id CAA04142
for <hires@rust.net>; Fri, 17 Jan 1997 02:30:07 -0500 (EDT)
Received: from Lehigh.EDU ([127.0.0.1]) by fidoui.cc.lehigh.edu with SMTP id
<34933-34627>; Fri, 17 Jan 1997 02:30:08 -0500
Received: from nss2.CC.Lehigh.EDU ([128.180.1.26]) by fidoui.cc.lehigh.edu with
ESMTP id <34832-52036>; Fri, 17 Jan 1997 02:28:55 -0500
Received: from emout17.mail.aol.com (emout17.mx.aol.com [198.81.11.43])
by nss2.CC.Lehigh.EDU (8.8.4/8.8.4) with ESMTP
id CAA112094 for <grp-l@lehigh.edu>; Fri, 17 Jan 1997 02:28:32 -0500
Received: (from root@localhost)
by emout17.mail.aol.com (8.7.6/8.7.3/AOL-2.0.0)
id CAA15846 for grp-l@lehigh.edu;
Fri, 17 Jan 1997 02:13:06 -0500 (EST)
Message-Id: <970117021305_1958982986@emout17.mail.aol.com>
From owner-grp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "KA5T Larry Wise" <lewise@inetport.com>
Subject: [9062] Re: 38 Special 5 Watt Amp
Message-ID: <199701170000.SAA01309@admin.inetport.com>

Does anyone know enuf' about the devices to say
if the IRF511 can be used in place of the IRF510???

Just happen to have one from some Radio Shack
excursion of the past...

Larry

KA5T - Larry Wise - Georgetown, Texas - lewise@inetport.com QRP-L 89
ex: KN80SG K80SG(1959-1967 MI) W6HED(1967-1968 Ca) W4ZTB(1968-1978 Fl)

From owner-grp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: myers@bigboy73.West.Sun.COM (Dana Myers)
Subject: [9066] Re: 38 Special 5 Watt Amp
Message-ID: <199701170032.QAA05760@sunspot.West.Sun.COM>

> From lewise@inetport.com Thu Jan 16 16:03:38 1997
> Date: Thu, 16 Jan 97 23:45:32
> Reply-To: lewise@inetport.com

> From: "KA5T Larry Wise" <lewise@inetport.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Subject: Re: 38 Special 5 Watt Amp
> Mime-Version: 1.0
> Content-Transfer-Encoding: 7bit
> X-To: "qrp" <qrp-1@Lehigh.EDU>
> X-Listprocessor-Version: 8.0 -- ListProcessor(tm) by CREN
>
> Does anyone know enuf' about the devices to say
> if the IRF511 can be used in place of the IRF510???
>
> Just happen to have one from some Radio Shack
> excursion of the past...

I believe that the IRF511 is essentially identical in this application;
my databook is at home but I recall that the two devices are the same
except for the maximum drain-source voltage (60V for the 511, 100V for
the 510). If you're seeing 60V on the drain, there's something wrong
with your antenna.

Dana K6JQ
Dana@Source.Net

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Bill Todd <bill@techline.com>
Subject: [9094] Re: A Simple Plea for Sanity
Message-ID: <1.5.4.32.19970117190522.0068a2d4@mail.techline.com>

>Right now, go to your preferences box of your email program, and TURN OFF the
>AUTOMATIC REPEAT ORIGINAL of Reply messages, PLEASE.

Hi Stuart (and Group) -

How VERY right you are! I have seen others commenting on this issue from
time to time, but the "group" does not seem to get the message.

I turned off my "automatic" repeat option years ago.

CUL, Bill-N7MFB

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [9142] Re: AE4IC's next Contest

Message-ID: <199701172114.PAA25767@multi13.netcomi.com>

Use a 38, be prepared to TESTIFY!

> With the success of the 49'er contest behind you, it's time for
>
> Operation TESTIFY
>
> Thirty Eight Special To Indefinitely Forestall Yardwork.
>

.....

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Roger Hightower <rhight@primenet.com>
Subject: [9138] Re: Digital Readout for 38 Special with 24 hour Clock
Message-ID: <32DFDAD7.8FD@primenet.com>

Wow! This isn't a kit for a tin box anymore. Have to get something seriously radiolike to mount all this stuff in, :-)

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC-40A, OHR Explorer 20, 30M, OHR400, HW-8, HW-9 and more to come.
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: NilsBull@aol.com
Subject: [9079] Re: Direct Digital Synthesiser & shaft encoders
Message-ID: <970116210925_441157253@emout07.mail.aol.com>

In a message dated 97-01-15 18:16:14 EST, slee@u.washington.edu ('AB7HI' Stephen Lee) writes: (in talking about Midwest Surplus' shaft encoder deal)

<< I spoke with a gal by the name of Marlene and she read off the specs to me which included a notation that magnitude and direction must be provided for. Since this is a 2-bit quad encoder I take this to mean the circuitry must be user provided in order to determine signal magnitude and direction. Will find out soon enough as I ordered three today. Oh, spec sheet is also included.
>>

And they didn't give you a deal on the badgers? Damn, Roger's gettin' so

stingy in his old age, you'd think he'd forgotten about the time I put the Harley down his shirt at the buzzard milkin' contest! Jeeezh! But maybe you got the box of rabbit venom. You did get a box of rabbit venom to go with that stuff, didn't you? Huh?

73

Nils

WB8IJJN +c

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: tahrens1@juno.com
Subject: [9083] Re: FOX, is he out there???
Message-ID: <19970116.212304.4895.0.tahrens1@juno.com>

Man, the band is really flat tonite!

Just heard montana talking to cuba on 7006..

but not too many signals.. gonna hit the key
cu

Tim W5FN

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Roger Hightower <rhight@primenet.com>
Subject: [9139] Re: FS HW-8 and Power Supply
Message-ID: <32DFDCBC.632E@primenet.com>

The rig has been spoken for. Buyer has been notified, but should something happen I'll go to number two on the list.

Thanks for the responses.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC-40A, OHR Explorer 20, 30M, OHR400, HW-8, HW-9 and more
to come.
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: NilsBull@aol.com
Subject: [9075] Re: Gain Normalization Through IF Filters

Message-ID: <970116210949_273210630@emout11.mail.aol.com>

In a message dated 97-01-16 13:08:52 EST, ji3m@maxwell.com (James R. Duffey) writes: "....then one is adding noise by cranking up the audio gain and not all of the noise reduction which can be gained from the filter is achieved. This is particularly noticeable for noise outside the filter bandwidth. I would think that a simple JFET amplifier with adjustable gain prior to the CW filter would be remedy this situation."

I seem to remember that Drake did this on one of their marine/commercial receivers. There was a little two transistor preamp before one of the filter sections. It was a gut-bucket way of solving a signal path loss problem, but I seem to remember that it worked. Of course, this was back when radios had a million little details and the idea of a DDS was far off in the future of some sci-fi writer's drunken stare.

At the same time, my TR7 shows the same "loss" when I poke up the CW filter. In fact, the loss is bad enough to make the filter almost useless. Only signals of a reasonably high intensity can get through it, making weak signal work with a narrow IF filter damn near a waste of time. For a while I used a MFJ AF filter followed by an NE570 expander to overcome the problem. Weird fix, granted, but at least I could hear the voices again. CW voices, that is. Conventional wisdom.

Maybe I should dig out my collection of four well-hoarded NE570s again....

73
Nils
WB8IJN +c

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [9102] Re: Holes
Message-ID: <Pine.SOL.3.94.970117071150.14572C-1000000@utkux4.utcc.utk.edu>

S0-239 holes:

I have a chassis punch for thicker metal. I use a 5/8" dia wood hole cutter for plastic. For thin metal, I sometimes clamp the metal to a wood block and run the wood hole saw in my drill in reverse to prevent tearing. Tends to cut the hole by scoring--comes out clean.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: ROYGREGSON@aol.com
Subject: Holes

Hi Gang....Seems there has been a thread on the group in the past about making holes in your project cabinets. My good friend John Shuster found the answer in a tool from GC Electronics their part number is 12-040 it is a taper reamer for enlarging holes from 1/8" to 13/16", or anywhere in between. This means all you need to do is drill all holes about 1/8" dia, and ream them out to the needed size. I have had a similiar tool for years that would ream holes out to 1/2", but left something to be desired when you needed to mount a S0239 connector. I don't know GC Electronics address, but they have been around for years, someone on the group surely has an address. Maybe they have a web page ? I don't know the price, but in the frustrations saved it's worth it whatever it is !
72's/73's Roy

-----77BD228274AE--

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [9150] Re: Idea for a 38S mod WWV
Message-ID: <199701172253.QAA28818@multi13.netcomi.com>

Good thoughts. Follow through. By the way, the image frequency is twenty meters, hmmm....

Mike K1MG

>
> All this talk of mods, utc etc. made me think for a sec.
> Hey 10.11X is near WWV, hmmm. Could we just change the xtal
> to 22MHz and get 10MHz to get WWV, yep, but then hmm 22MHz
> is not that readily available. How about going the other way..
> 12-2=10, and using a 2Mhz xtal for the osc, and beating 10 Up to
> 12MHz,, I bet this would work fine, I don't know the front
> end bandpass , but 10 probably gets through. I see that 2MHz xtals

> are in Mouser for cheap. I haven't even read the IF bandpass to see if
> Audio would make it ..
> Well, just a thought.
> 73 Brad WB8YGG

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: km1h@juno.com
Subject: [9072] Re: Internet woes and RF spectrum
Message-ID: <19970116.204518.7079.10.km1h@juno.com>

On Thu, 16 Jan 1997 15:13:29 -0500 (EST) "Joseph L. Hartmann, Jr."
<joe@sugar-river.net> writes:
>WOW! "SLIPPED BY" IS AN UNDERSTATEMENT.
>
>THIS ***IS*** NEWS STEVE. THANK YOU.
>
>How do you go about finding info such as this, Steve?

The easiest way to find out what is going on around you is to:
A. Join the ARRL and become part of the solution and not the problem.
B. Get and use a real radio. Something capable of receiving on SSB and
copying the
ARRL and even independent bulletins.
C. Learn to separate hype from facts. The 5GHz issue has been public
knowledge for ages and is even discussed in the Feb 97 QST.
Considering their lead time to publication it is obviously stale
news.

I do not work for the ARRL and have been a critic for decades but in this
case I have to speak in their defense and against some of the real
garbage that is put out on some reflectors as "fact" or news.

I have also been requesting of our erstwhile "administrator" that this
particular reflector return to its roots and stick to QRP related issues.
I for one would be thankful to redirect social commentaries elsewhere
but have been led to believe, by the lack of prior direction and
observation, that anything goes here.

With the current attitude in DC I would urge all parties to concentrate
on improving their skills and spend less time on trying to control
others. The next several years may prove to be very dangerous to the
hobby....period. QRP enjoys a particularly low visibility. You have a
very small voice if you can't be heard on the bands. Five watts into a wet
noodle will not make it into the log of a spectrum advisor to commercial

interests. However, the idiotic activities of the 5KW+ crowd on 20M will be recorded....negatively. It is beginning to become a Catch-22....damned if you do and damned if you dont.

73.....Carl KM1H

Thank you Chuck for taking a stand with your posting a few hours ago. It is a start in the right direction. Next step...take the high road and become a leader...leave the zings behind.
If some new supplier is having delivery or quality problems work it out privately. A bit of common sense and understanding is a major improvement over some loud mouth whining to the world about a few missing parts or something equally trivial;. all will benefit in the end.

73.....Carl KM1H

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Bill Morris Denton <bdenton@tenet.edu>
Subject: [9121] Re: Ladder-Line Tuner
Message-ID: <Pine.OSF.3.91.970117093544.8322A-100000@francis.tenet.edu>

Cecil,

I read with interest your explanation of using caps. to tune ladder line. I also looked at your web page. I was not aware that you could "pre-tune" ladder band for each band as you have discribed. I have 5 ladder line fed antennas composing of several hundred feet of the stuff. All these antenna terminate into it's own tuner. My two primary antenna's are two, two section eight element "W8JK's". AS you may know 8JK's are bi-directional, no front to back which which is what I like about them other than the large gain that I get. I am so far south front to back means nothing. Each 8JK is feed to a tuner and the coax output out of each is fed to a coaxal relay and a switch at the operating position. This how I change direction. My question is, in your scheme of things, it looks like I can pre-tune each 8jk and use a relay in the ladder line to change directions therefore eleminating one of the tuners. The only problem I have with your theory is that rain drastically detunes ladder line. It rains maybe a 100 + - inches a year here in Houston. That's a lot of retuning.... specially if you running a multi band contest with 2 rigs. I've been there and done that. As we expecienced last week, Ice does not work well on ladder line either.
I would like some input on your thoughts on the subject.

Bill Denton W5SB (EX WA5DWX)

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: No Data Available <earwax@indy.net>
Subject: [9134] Re: Longer subject headings
Message-ID: <Pine.LNX.3.91.970117140401.1074H-100000@trixie.qrp.com>

Gang,

Not to get into the long vs. short subjects. BUT I must say that, if I get messages WITHOUT Subjects they go directly to the bit bucket.

73,

Charlie

On Fri, 17 Jan 1997, Bill Boose N3WST wrote:

> I agree with Wayne about longer subjects. Not all subjects interest me and
> I can barely keep up reading all the messages.
> Bill, N3WST
>
>
>
>

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [9123] Re: Matching 102 ft Dipole

>Chuck (Jack) Hawley wrote:
>At 3.875MHz Eznec gives 450+j2000
> Measured gives 220+j1800 (measured at the bottom of the
4"
>open wire line and figured backwards to the antenna feedpoint with
>Microsmith.

Hi Chuck, models are just starting points and usually get one in the ballpark. I would say from not having a clue to being in the ballpark is a huge advantage since we can fine tune from a ballpark estimate to perfection.

If we normalize your two above values to 1+j4.4 and 0.49+j4 on a 450 ohm Smith chart, the two points are only 0.2 inches apart. Their angles are only 2 degrees apart. Plotting it on a chart and then looking at it shows just how accurate EZNEC really is. Another way of looking at it for those who don't use the Smith chart:

$450 + j2000 = 2050$ at 77 deg. $220 + j1800 = 1813$ at 83 deg

So the EZNEC magnitude is 13% different from the measured value.
The EZNEC angle is 7% different from the measured value. That's not bad at all.

Also your measured antenna impedance is an indirect measurement. If the velocity factor of your feedline is not exactly what you told Microsmith then the indirect measurement is off by that amount. If your feedline is not exactly the same length as you told Microsmith then the indirect measurement is off by that amount. So EZNEC can't model buildings and trees but it could be more accurate than it appears at first glance.

73, Cecil, W6RCA, OOTC

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [9129] Re: Matching 102 ft dipole

>So the EZNEC magnitude is 13% different from the measured value.
>The EZNEC angle is 7% different from the measured value. That's
>not bad at all.

Hi Chuck, something else occurred to me. If the SWR was 33:1 at the antenna and 22:1 at the transmitter, the calculated and measured values would be very close. SWR and common mode losses in the feedline can cause such to happen. If your feedline is radiating, not as much reflected energy will make it back to the transmitter end resulting in a different impedance image at the transmitter than at the antenna.

73, Cecil, W6RCA

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "Chuck (Jack) Hawley" <c-hawley@uiuc.edu>
Subject: [9109] Re: Matching 102 ft Dipole #2
Message-ID: <32DF86D5.616F@uiuc.edu>

> I wrote:

>I haven't found the impedances obtained from the antenna analysis
>program(s) to be all that accurate or usefull.

Hi again. Seeing that sentence in print makes it see too drastic a conclusion. I had the most disagreement with the impedances of my bent dipole, and the differences on 160M were worse for me...too close to ground and to the trees at the corners of my horizontal half square? I'm going to run through all this again and see what exactly I got last time.

Chuck, KE9UW

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "Chuck (Jack) Hawley" <c-hawley@uiuc.edu>
Subject: [9115] Re: Matching 102 ft Dipole #2
Message-ID: <32DF930A.76C1@uiuc.edu>

Chuck (Jack) Hawley wrote:

>
> > I wrote:
>
> >I haven't found the impedances obtained from the antenna analysis
> >program(s) to be all that accurate or usefull.
>
> Hi again. Seeing that sentence in print makes it see too drastic a
> conclusion. I had the most disagreement with the impedances of my bent
> dipole, and the differences on 160M were worse for me...too close to
> ground and to the trees at the corners of my horizontal half square? I'm
> going to run through all this again and see what exactly I got last
> time.
>
> Chuck, KE9UW

OK, I just ran Eznec on the 204 foot long dipole bent into a half square at 40 feet in the air horizontal antenna. Actually the straight part is 122 feet fed in the center and the ends are bent at 90 degrees (both in the same direction) and are 41 feet long each. The whole thing is horizontal. It looks like a staple from above.

At 3.875MHz Eznec gives 450+j2000
Measured gives 220+j1800 (measured at the bottom of the 4"
open wire line and figured backwards to the antenna feedpoint with
Microsmith.

At 1.940MHz Eznec gives 18-j340
Measured gives 30-j350

So the antenna program is fairly accurate on the reactive part of the

impedance and off by 100% on the resistive part.....

I don't know what to make of this. I have trees at the ends of the straight part of the dipole and a house, tower and Butternut with 26 radials under and in the middle of the whole thing. I did not try to model any of the environment except to take the default values for good ground.

Trying for the lossless antenna "carrot" as Cecil put it.....

Chuck, KE9UW

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: ori@juno.com (Ori K Mizrahi-Shalom)
Subject: [9097] Re: NC38S price
Message-ID: <19950116.230943.4367.4.ori@juno.com>

> How the heck can this be just a \$25.00 kit?

cause Mr. Hendricks wants it that way!

I was just waiting for this question, so I can post my "tricky" answer (don't think Doug will make a good Ferrari salesman, he goes for this cheap stuff and produces more than 200 units per year...)

ORI

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [9067] Re: NC38S Receiver Drain
Message-ID: <199701170103.TAA23311@multi13.netcomi.com>

Chuck --

Mine measures 31 mA on receive. Does that mean mine has a hotter receiver?

I added the 5 watt mod, and further modified it (details to come) and I measure 4.99 watts out with 13.8v power supply, or 3.99 watts out with 12.0v power supply.

The NC38S transceiver draws 0.8 Amps key down with 12 v, or 0.88 Amps while transmitting with 13.8v.

I will be prowling around 10.116+ between 0100 and 0200 UTC Saturday (That's 5:00-6:00 PM Friday night in PST land) (Unfortunately, will probably be using a straight key, since my Tick has not arrived yet.)

Catch me if you can!

Mike K1MG

> From: Chuck Adams <adams@chuck.dallas.sgi.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: NC38S Receiver Drain
> Date: Thursday, January 16, 1997 10:12 AM
>
>
> The NorCal 38 Special, hereafter abbreviated
> by me in all posts NC38S (YAB - yet another
> abbreviation), draws 29mA on receive with
> 12.8V.
>
> Installments of measurements as they are made.
> :-)
> SIG
> Chuck Adams K5FO adams@sgi.com

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: wmcshan@REX.RE.uokhsc.edu (Mike McShan)
Subject: [9135] Re: NC38S: Mods to the 5 watt mod, long
Message-ID: <v01540b02af0585dda943@[157.142.56.167]>

snip

>Boy, this sure is a nice radio! And it sure is sweet with the matching
>digital readout/24 hour clock accessory! I can't wait to make a QSO --
>tonite, 0100 UTC. Catch me if you can!
>
>
>
>Mike K1MG

Hi Mike,

As Doug said, the cat is out of the bag ...so, with what rigs does this nifty display work? Maybe, an HW-8? Huh, huh, huh???

Inquiring minds definitely want to know!

72/73,

Mike N5JKY
Edmond, OK

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [9145] Re: NC38S: Mods to the 5 watt mod, long
Message-ID: <199701172143.PAA26684@multi13.netcomi.com>

Mike --

I don't have access to an HW-8 to try it out, but it might.

The counter will count up to 32 MHz given a 200 mVp-p signal or better. (Actually the sensitivity is better than this at lower frequencies).

It can be set up with 31 programmable offsets to accommodate multiband mixing schemes and transmit/receive offset, and each offset can be set for either straight frequency or reverse frequency. (Do some bands tune backwards? This corrects for that) Schemes which use frequency multipliers are not currently supported in the software, but if the multiplier output is less than 32 MHz, you can count the multiplier output.

What are the VFO and IF frequencies of the HW-8? Is there a place you can tap to get a 70 mV RMS signal?

Now that the cat is out of the bag, I'll try to get some more details published in the next week.

Mike K1MG

> As Doug said, the cat is out of the bag ...so, with what rigs does this
> nifty display work? Maybe, an HW-8? Huh, huh, huh???
>
> Inquiring minds definitely want to know!
>

> 72/73,
>
> Mike N5JKY
> Edmond, OK
>
>

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: gsurrency@juno.com (Gary L Surrency)
Subject: [9081] Re: QRP Freqs on 30m?
Message-ID: <19970116.200035.7238.4.gsurrency@juno.com>

Hi Brian!

I just had a QSO with you tonight on 30m! I answered your CQ. I think
Chuck has suggested 10.113 or 10.114 (near the rtty that's usually
there).

Am I right about this guys?

72,

Gary Surrency AB7MY
S&S TAC-1(40&80m) and ARK30
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [9098] Re: QRP Freqs on 30m?
Message-ID: <199701170943.JAA10899@chuck.dallas.sgi.com>

10.116MHz
SIG
Chuck Adams K5FO adams@sgi.com

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "Bradley S. Mitchell" <bmitchel@kodak.com>
Subject: [9107] Re: QRP Freqs on 30m?
Message-ID: <32E058E9.2C15@kodak.com>

I agree, 10.116 and up.

I find that the low end of the band has too much commercial stations, as well as 599TUCQDX stations for my enjoyment level. I also like 10.123 when 10.116 is busy.
73 Brad WB8YGG

Chuck Adams wrote:

>
> 10.116MHz
> SIG
> Chuck Adams K5FO adams@sgi.com

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "T. PETTIBONE" <tpettibo@NMSU.Edu>
Subject: [9087] Re: QRP LIST IDEA: Longer, more informative subject lines (beats "Hey!" and other gems)
Message-ID: <Pine.A41.3.95.970116223703.47032C-100000@hector.NMSU.Edu>

Wayne:

I couldn't agree with you more. I get over 300 pieces of e-mail each day (combined fun and work stuff). Some of my rules:

- if the subject line is blank - it's gone
- if I see "Must read" or such - it's gone
- if the subject doesn't grab me - it's gone
- if the subject refers to AOL (this week) - it's gone

Even with the rules, I'm tempted to read every little thing - just don't have time to do it. So, as Wayne says people, make the SUBJECT line descriptive for those of us who don't/can't read everything. Thanks.

Tim AB50U

p.s. I'm up as FOX on the 22nd. Don't forget 0200-0400 7037 and up.

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [9091] Re: QRP LIST IDEA: Longer, more informative subject lines (beats "Hey!" and other gems)
Message-ID: <199701170614.XAA19146@zia.aoc.nrao.edu>

Wayne and Tim,

And I might go one step further and suggest to those who send email to those on QRP-L to put "personal" or something in the subject if it's a personal email. It is often impossible to separate personal email from the postings, and if the subject is obscure ... it may get the NUKER key. And if you don't get an answer back in a couple of days, that may be what happened.

On G-QRP-L, each of their reflected postings are prefixed with "GQRP:" I kinda like that idea. Maybe we can get QRP-L to prefix the subjects with "QRP:" or "**" or something to positively identify those emails that are reflected via QRP-L. Those without the "mark" would then be personal or from some other source.

Way to go Wayne and Tim ... you probably just started a thread that will be worse than the AOL thingie -hi.

72, Paul NA5N

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: NilsBull@aol.com
Subject: [9078] Re: Radioactive Paint
Message-ID: <970116210938_1344117254@emout18.mail.aol.com>

In a message dated 97-01-16 11:38:53 EST, dbs@thermacore.com (Dave Sarraf) writes: "The "Glow in the dark" test is not a reliable method of testing for radium in paint. My dad's high school graduation watch has radium paint, yet I cannot see it at all even outside after an hour of stargazing with well-adapted eyes. I do know it has radium, however. It was later shown to have spoiled the results of a physics lab where we were trying to show the effect of increasing amounts of lead shielding between a source and detector....."

Which is what happened last night. I ran the keep it in the dark test and saw nada. I put it under big light and got a sun tan and then turned off the big light and saw nada. I even took off my bifocals and put the ol' box up close enough so I hit myself in the nose with one of the knobs and saw... you guessified it... nada.

Tomorrow I take the front panel part (since it's damn near stripped) over to the safety guys and let 'em put the magical powerful super-neat-o testifyin' machines on it. They'll probably not give it back, claiming that it's the cause of mutant baby geniuses living on Mars sending all those messages to my neighbor's two spitbulls. But I know that's not right 'cause I heard the messages myself the other night from the drawer where I keep the mummified cheese otter swimsuit contestant boxer short collection. Them's weird messages, them's is.

And no, I don't glow. Not much. At least not until I get one of my hypnogogia fits and the aliens from Mrachovakovsky Four (they were the other three guys in the famous "Trial of the Seven Bed-bugs" that they had in Beijing a couple years ago) send messages to me in my sleep. But that's another story.

Be a shame to not be able to use this perfectly ugly green box for something! And I had such high hopes.... oh well, a little cynicism never hurt anyone. Not badly anyway.

73

Nils

WB8IJN +c

...and I do appreciate the help here... don't get me wrong... oh, the voices again... pardon me.

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997

From: ed.welch@cheaha.com (ED WELCH)

Subject: [9084] Re: Radioactive Paint

Message-ID: <8D0346E.0004001975.uuout@cheaha.com>

-> If the alarm had not provided the warning, he would have been killed
-> or seriously injured within seconds. We lost the house and contents
-> but there were no injuries.
->
-> I preach smoke detectors whenever I get the chance.

Amen. Alarm sounded here at 05:00am, I ran into the living room to see flames licking the ceiling from behind an aquarium (yeah, my aquarium caught on fire!). Only fire extinguisher we had was a little kitchen one. I had to run by the fire to the kitchen to get it. It had almost put it out when suddenly a can of polyurethane popped it's top and ignited sending larger flames up to the ceiling. I prayed that there was one more shot left in the mini-cylinder....there was, I dead-eyed it, and the fire was out. There were 3 *real* fire-extinguishers with me when I came home that evening! One for the kitchen, one for the den, and one for the bedroom(you wake up and grab it if you need it). So, get the smoke detectors up *AND* have a couple of GOOD extinguishers on hand.

Sorry for the bandwidth, but I'm like Jeff....I believe in 'em.
Please reply only via email to help keep from adding to the QRM.
Sorry again for the bandwidth.

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

```
+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+
```

> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997

From: Wa2ocg@aol.com

Subject: [9093] Re: Repeat fine note on low S/N listening

Message-ID: <970117011725_815922781@emout03.mail.aol.com>

Please resend this excellent article. My delete finger was faster than my mind.

Thank you.

From owner-qrp-l@Lehigh.EDU Fri Jan 17 18:04:59 1997

From: ori@juno.com (Ori K Mizrahi-Shalom)

Subject: [9096] Re: RF PC Design Software

Message-ID: <19950116.230943.4367.2.ori@juno.com>

Carl KM1H wrote:

> Would somebody please point me to a good program that will not
> require a 2nd mortgage?

If this is strictly for a hobby then the following are good solutions for free!

Circuit simulation:

<http://www.spectrum-soft.com/>

The demo program is limited to 50 components (who needs more) and there are references to extended libraries for spice models

Board layout:

<http://www.apcircuits.com/>

Download their version of the Protel Easytrax PCB software. Protel is a commercial vendor of quality CAD s/w and Easytrax was part of their product line only a few years ago.

This DOS program is very easy to use and looks good even with an

EGA monitor.

It lacks design rule checking, verification against a netlist and area fills. Those features bring you to the \$1000+ s/w.

Gerber file generation is also lacking, but there are ways around that. For home use you can also print foils on your laser printer. Forget the point-to-point auto-routing, it's too trivial.

There are many freeware and shareware versions of filter analysis programs but I'm not familiar with their capabilities. Maybe someone can recommend which one is worth checking.

I found the GPLA program on the diskette of W7ZOI's book "Radio Frequency Design" (ARRL printing) useful.

The diskette has a few other programs you might like, but it is basic and programs "crash" once in a while... well, we are talking cheap!

Hope that helps.

ORI AC6AN

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997

From: Sandy W5TVW <ebjr@worldnet.att.net>

Subject: [9071] RE: Sunspot Cycle Predicted to be LOW

Message-ID: <19970117002823.AAE10436@LOCALNAME>

At 04:49 PM 1/16/97 +0000, you wrote:

>Gang:

>

>I don't remember the source, since I was on the road in Colorado, but there
>was a newspaper article reporting a new prediction from the National
>Technology Institute group.

>

>They are now forecasting the lowest sunspot cycle in over 50 years! They
>further added that last time this occurred, a mini-ice age started. In any
>event, they are predicting lower world temperatures over the next decade.

>

> HEY! What happened to all this Global Warming propaganda! Maybe
they didn't get the word from their bosses? (Or maybe they are going by
what they told us 25 years ago...another ice age coming!.....remember that?)
73,>

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: Hallicrafters SR-75, 860 tubes

****Butternut HV2V antenna, G-R test gear.....****

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: NilsBull@aol.com
Subject: [9077] Re: Sunspot Cycle Predicted to be LOW
Message-ID: <970116210940_1543811718@emout19.mail.aol.com>

In a message dated 97-01-16 12:13:45 EST, kjlopez@earthlink.net (Ken Lopez) writes: "...less radio interference and perhaps slightly cooler Earth temperatures."

Oh goody! I guess that means that by the end of the decade, the Hamvention will take place in September. Just in time for school to start, vacations to be interrupted, motor homes to be put in storage and the last two months of what is now the hurricane season. But then, maybe the hurricanes will move north and the badgers will....

73
Nils
WB8IJN +c

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: KR4GL@aol.com
Subject: [9118] Re: Sunspot Cycle Predicted to be LOW
Message-ID: <970117104958_408108905@emout01.mail.aol.com>

Where is the global warming when you seem to need it the most?

de KR4GL
John Foote

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: "Ed Manuel" <n5em-qrp@msn.com>
Subject: [9116] RE: Sunspots
Message-ID: <UPMAIL06.199701171536130843@msn.com>

From: owner-qrp-1@Lehigh.EDU on behalf of laura halliday
Sent: Thursday, January 16, 1997 2:24 PM

Subject: Sunspots

The sun varies between periods of sunspot cycles, and periods of little or no activity - sometimes called Schwabe Peaks and Maunder Minima, respectively, after the dude who first systematically observed sunspots and the dude who first noticed a big gap in the observations, respectively.

The last Maunder Minimum was from approximately 1640-1720, and correlates with many things. There were reports from Galileo's time of sunspots. Then *nothing*, with really good astronomers noting that they had finally seen a sunspot after years of looking. Really Good means folks like Cassini and Herschel, who really did know what they were doing. Auroras? Zilch...

This period coincided with a little Ice Age,

I can see the headlines now.

"Field Day report from the Frozen North"
by Chuck Adams and the NorTex Group.

Ed, N5EM

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>
Subject: [9068] Re: Z-Match on 160 meters?
Message-ID: <Pine.PMDF.3.91.970116162843.7263A-1000000@BENSON.MCKENNA.EDU>

On Thu, 16 Jan 1997, John Seboldt, K0JD, asked:

>
>
>
>
>
>
> The big question is: if I adapt my QRO components for 160 meters, what
> might be the best approach? Add more capacitance with the same coil?
> Rescale the whole thing for 1.8-20 MHz or so, and not expect the highest
> HF bands?
>

I use a z-match to tune a 110' centerfed wire (with about 45' of 450 ohm ladder line) on 160 thru 12 meters. (As for whether this is a good

antenna system on 160, see below.) The circuit is the same one described in my e-mailable packet of z-match material (same, too, as in the article in volume 5 of the ARRL Antenna Compendium (just out)), but with the inductance of the main tank coil increased about four times, and the links increased too. You could do the same thing by doubling both the inductance of the coil and the capacitance of the double section tuning capacitor, but a cap to accomplish the latter is hard to find. (And quadrupling rather than doubling the inductance theoretically gives a better L/C ratio in the tank circuit in terms of efficiency.)

In the unit I'm using, the inductor is 36 turns on a T-157-2 core, with the center tap at 18 turns (!) and the ground tap at 9 turns. The high impedance link is 16 turns, and the low impedance link 6 turns. The cap is about 365 pf per section. The low band tuning range covers 160-40, and the high band range 40-12. I won't vouch that the coverage would extend this high with all antenna systems. (The magnitude and composition of the complex impedance at the system's tuner feedpoint will make a difference.)

YOu could probably use the same approach on Roy Gregson's ZM-1, but as I recall the ZM-1 comes with a T-130 core, which would make for a tight fit for the necessary turns.

As usual: Anyone one who wants my z-match packet, just drop me an email note and I'll send it by reply email.

(Incidentally, lest someone think I'm loonier than I really am, I don't mean to say that a 110' center-fed wire is a very good antenna on 160. It isn't. In fact, it's downright crummy. But it's what I currently have--and the station ground isn't good enough to feed it as a T on 160--and the z-match tunes the system.)

72,

Charlie, w6jjz
clofgren@mckenna.edu

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)
Subject: [9149] Re: Z-Match on 160 meters?
Message-ID: <199701172240.0AA19564@netcom16.netcom.com>

Hmm, if someone wants to play with this, there's a three section 500pf receiver type variable listed in the Antique Electronic Supply catalog for \$8.95. No minimum capacity listed. It might give a larger range.

73, doug

Date: Thu, 16 Jan 1997 17:07:28 -0800 (PST)
From: Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>

increased too. You could do the same thing by doubling both the inductance of the coil and the capacitance of the double section tuning capacitor, but a cap to accomplish the latter is hard to find. (And quadrupling rather than doubling the inductance theoretically gives a better L/C ratio in the tank circuit in terms of efficiency.)

In the unit I'm using, the inductor is 36 turns on a T-157-2 core, with the center tap at 18 turns (!) and the ground tap at 9 turns. The high impedance link is 16 turns, and the low impedance link 6 turns. The cap is about 365 pf per section. The low band tuning range covers 160-40, and the high band range 40-12. I won't vouch that the coverage would extend this high with all antenna systems. (The magnitude and composition of the complex impedance at the system's tuner feedpoint will make a difference.)

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)
Subject: [9069] Re: [8957] Re: TiCK Keyer Info
Message-ID: <199701170114.RAA14258@netcom6.netcom.com>

Date: Wed, 15 Jan 1997 23:01:02 -0500
From: "Gary M. Diana, Sr." <gmdsr@vivanet.com>

You'll either need to wire a mono jack in parallel with your stereo jack
OR
you'll need to wire your straight key to a stereo plug, if you want to
just
use the stereo jack attached to the TiCK-1.

Comments, questions, please email me!
73, Gary N2JGU
gmdsr@vivanet.com

Since two of my commercial QRO rigs use a stereo jack for both straight and paddle keys, I've found it useful to put a stereo mini-plug on all plugs for them. Just wire the tip and the shank and leave the ring floating. Then you can just use a standard 1/8 to 1/4 stereo adapter for them. You can even get the adapters in a right angle version, for close spaces. For the rigs that use mono jacks, it still works just fine.

Now, if I could only use a straight key.....
73, doug

From owner-qrp-1@Lehigh.EDU Fri Jan 17 18:04:59 1997
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)
Subject: [9070] Re: [9051] Z-Match on 160 meters?
Message-ID: <199701170126.RAA16065@netcom6.netcom.com>

What's this file you mention? I missed it.

There's a section in the "W6SAI HF Antenna Handbook" about adapting the Z-Match to 160M. It uses a switch to add more capacitors in parallel with two of the three variables, that is, one (910pf) added across all of L1, and a choice of two (330, and 660) extras in parallel with the input cap.
This section was an adaptation of an article by Lloyd Butler VK5BR, in Amateur Radio, an Australian publication, maybe.

73, doug

Date: Thu, 16 Jan 1997 16:52:16 -0600 (CST)
From: John Seboldt <rohrwerk@pconline.com>

Having followed the various controversies about balanced and quasi-balanced tuners with interest, I got Charlie Lofgren, W6JJZ's, little e-mail packet about his revised Z-Match.
<text deleted>

The big question is: if I adapt my QRO components for 160 meters, what might be the best approach? Add more capacitance with the same coil? Rescale the whole thing for 1.8-20 MHz or so, and not expect the highest HF bands?

John Seboldt K0JD